GV-MDR220 2MP H.264 Mini Fixed Rugged Dome

- 1/2.5" progressive scan CMOS
- Megapixel lens
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1920 x 1080
- Day and night function (electronic)
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- EN50155 compliance for rolling stock applications
- 3-axis mechanism:
  pan (-45° ~ +45°), tilt (0° ~ 90°), rotate (0° ~ 360°)
- Built-in microphone
- Built-in micro SD card slot (SD/SDHC) for local storage
- Wide Dynamic Range (WDR)
- 2D noise reduction
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- Text overlay
- IP address filtering
- Endurable to low environment temperatures -30 °C ~ 50 °C
  (-22 °F ~ 122 °F)
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant

* No Memory Card Slot & local storage function for Argentina.

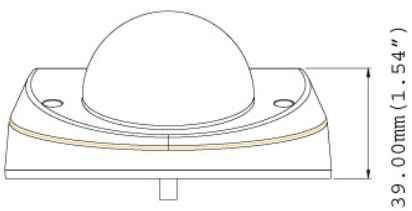
Active Tampering Alarm

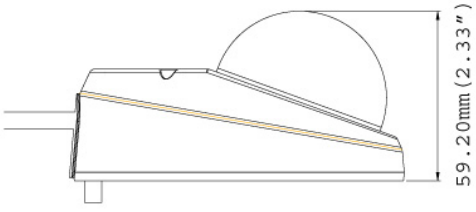
Tampered

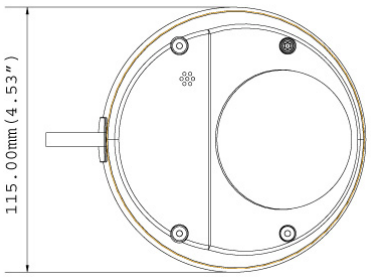
Focus Change

Camera Shift

Dimensions







Specifications

Camera		
Image Sensor		1/2.5" progressive scan CMOS
Picture Elements		1920 (H) x 1080 (V)
Minimum Illumination	Color	0.15 Lux
	BW	0.10 Lux
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec.)
White Balance		Automatic, Manual (2800K ~ 8500K)
Gain Control		Automatic
S/N Ratio		50 dB
BLC		Yes
Lens		
Megapixel		Yes
Day/Night		Yes (electronic)
Iris		Fixed
Focal Length		2.54 mm
Maximum Aperture		F/2.8
Mount		M12, Pitch 0.5 mm
Image Format		1/2.5"
Horizontal FOV		101°
Operation	Focus	Fixed
	Zoom	Fixed
	Iris	Fixed
Operation		
Video Compression		H.264, MJPEG
Video Streaming		Dual streams from H.264 and MJPEG
Frame Rate		30 fps at 1920 x 1080 * The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
Image Setting		Brightness, Contrast, Saturation, Sharpness, Gamma, White Balance, Flicker-less 50/60 Hz, Image Orientation, Shutter Speed, Backlight Compensation, D/N sensitivity, WDR, Defog, Denoise, Metering
Audio Compression		G.711, AAC (optional)
Audio Support		One-Way Audio
Video Resolution		
Main Stream	4:3	1600 x 1200, 1280 x 960, 640 x 480, 320 x 240
	16:9	1280 x 720, 640 x 360, 448 x 252
	5:4	1280 x 1024, 640 x 512, 320 x 256
Sub Stream	4:3	640 x 480, 320 x 240
	16:9	640 x 360, 448 x 252
	5:4	640 x 512, 320 x 256
Network		
Interface		10/100 Ethernet
Ethernet Protocol		HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF (Profile S)
Mechanical		
Temperature Detector		Yes
Camera Angle Adjustment	Pan	-45° ~45°
	Tilt	0° ~ 90°
	Rotate	0° ~ 360°
Connectors	Power	PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45
	Audio	Built-in microphone
	Local Storage	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * **SDXC** and **UHS-I** card types are not supported.
LED Indicator		3 LEDs: Link, Power, Status
General		
Environment Temperature		-30 °C ~ 50 °C (-22 °F ~ 122 °F)

Humidity		10% to 90% (no condensation)
Power Source		PoE
Max. Power Consumption		4.1 W
Dimensions	Camera Body	ø 115 x 59.2 mm (4.5” x 2.3”)
	Cable Length	1.054 m (41.5”)
	Cable Diameter	ø 6.2 mm (0.24”)
	Maximum Connector Diameter	ø 30 mm (1.18”)
Weight		568 g (1.3 lb)
Ingress Protection		IP67
Vandal Resistance		IK10 for metal casing
Regulatory		CE, FCC, RCM, RoHS compliant
Power over Ethernet		
PoE Standard		IEEE 802.3af Power over Ethernet / PSE
PoE Power Supply Type		End-Span
PoE Power Output		Per Port 48V DC, 350mA. Max. 15.4 watts
Web Interface		
Installation Management		Web-based configuration
Maintenance		Firmware upgrade through Web Browser or Utility
Access from Web Browser		Camera Live View, Video Recording, Change Video Quality, Bandwidth Ccontrol, Image Snapshot, Audio, Picture in Picture, Picture and Picture, Privacy Mask, Text Overlay, Digital PTZ
Language		Arabic / Bulgarian / Czech / Danish / Dutch / English / Finnish / French / German / Greek / Hebrew / Hungarian / Indonesian / Italian /Japanese / Lithuanian / Norwegian / Persian / Polish / Portuguese / Romanian / Russian / Serbian / Simplified Chinese / Slovakian / Slovenian / Spanish / Swedish / Thai / Traditional Chinese / Turkish
Applications		
Network Storage		GV-NVR, GV-System, GV-Backup Center, GV-Recording Server
Smart Device Access		GV-Eye for iOS and Android
Live Viewing		IE, mobile phone
CMS Server support		GV-Control Center, GV-Center V2, GV-VSM

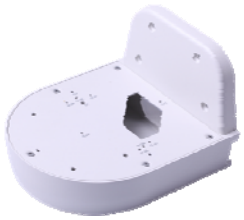
Note:

1. Specifications are subject to change without notice.
2. Mind the following when using an inserted memory card for recording:
   - Recorded data on the memory card can be damaged or lost if the data are accessed while the camera is under physical shock, power interruption, memory card detachment or when the memory card reaches the end of its lifespan. No guarantee is provided for such causes.
   - To avoid power outage, it is highly suggested to apply a battery backup (UPS).
   - For better performance, it is highly suggested to use Micro SD card of MLC NAND flash, Class 10.
   - Replace the memory card when its read/write speed is lower than 6 MB/s or when the memory card is frequently undetected by the camera.

Packing List

1. Mini Fixed Rugged Dome
2. Torx Wrench
3. Self Tapping Screw x 2
4. Screw Anchor x 2
5. Cable stopper x 1
6. Cable Connector x 1
7. Installation sticker
8. Silica gel bag x 2
9. Ferrite core for vehicle installation
10. GV-IPCAM H.264 Quick Start Guide
11. GV-IPCAM H.264 Software CD
12. GV-NVR Quick Start Guide
13. GV-NVR Software DVD

Accessories

Model No./Name	Details
GV-Mount900 Wall Mount Bracket 	Dimensions: 154 x 108 x 50 mm (6.1'' x 4.3'' x 2") Weight: 240 g (0.53 lb)
GV-Mount909 Wall Mount Bracket 	Dimensions: 170 x 150 x 110 mm (6.7'' x 5.9" x 4.3'') Weight: 610 g (1.34 lb)
GV-Mount910 Power Box Mount Bracket 	Dimensions: 112 x 98 x 7.5 mm (4.4'' x 3.9'' x 0.3'') Weight: 105 g (0.23 lb)
GV-Mount913 Power Box Mount Bracket 	Dimensions: Ø 146 x 7.5 mm (Ø 5.7'' x 0.3'') Weight: 180 g (0.4 lb)
GV-PA191 PoE Adapter 	Weight: 130 g (0.29 lb) Dimensions (H x W x D): 43 x 69 x 40 mm (1.69" x 2.72" x 1.57")
Power Adapter	Power adapters are available in 4 regions: U.S.A., Australia, U.K and Europe.
GV-POE Switch	The GV-POE Switch is designed to provide power along with network connection for IP devices. The GV-POE Switch is available in various models with different numbers and types of ports.